What is claimed is:

- 1. A contact detecting device comprising:
 - a flexible piezoelectric sensor of a cable shape; and
- a resilient member for holding the piezoelectric sensor therein, the resilient member including a hollow portion, which has a free end to allow the hollow portion to be opened, and a sensor holding portion for mounting therein the piezoelectric sensor by way of opening the hollow portion,

wherein the hollow portion is provided with a support for maintaining a hollow state thereof.

2. The contact detecting device of claim 1, wherein the support has a straight rib shape formed as a single body with the resilient member and is provided between the sensor holding portion and an inner base member of the hollow portion along a pressure sensing direction of the piezoelectric sensor.

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3. The contact detecting device of claim 1, wherein the support has a straight rib shape formed as a single body with the resilient member and is provided between the sensor holding portion and an inner base member of the hollow portion to be inclined to a pressure sensing direction of the piezoelectric sensor.

- 4. The contact detecting device of claim 1, wherein the support is a rib having a zigzagged shape formed as a single body with the resilient member and is provided between the sensor holding portion and an inner base member of the hollow portion.
- 5. The contact detecting device of claim 1, wherein the support is a rib of a curved shape formed as a single body with the resilient member and is provided between the sensor holding portion and an inner base member of the hollow portion.
 - 6. The contact detecting device of any one of claims 2 to 5, wherein the support is formed of divided parts.
 - 7. The contact detecting device of claim 1, wherein the support is an elastic body filled in the hollow portion.
 - 8. A contact detecting device comprising:

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- 20 a flexible piezoelectric sensor of a cable shape;
 - a resilient member for holding the piezoelectric sensor, the resilient member including a hollow portion having a free end to allow the hollow portion to be opened;
- a support for maintaining a hollow state of the hollow portion, the support being formed of an elastic body and filled in the hollow portion; and

a sensor holding portion, provided in the support, for mounting therein the piezoelectric sensor.

- 9. The contact detecting device of claim 1 or 8, wherein the resilient member is mounted to a mounting base such that the free end is located at a bottom part of the resilient member.
- 10. The contact detecting device of claim 1 or 8, wherein the free end is attached to a part of the resilient member by using an adhesive while the piezoelectric sensor is held in the sensor holding portion.
- 11. The contact detecting device of claim 1 or 8, further

 15 comprising a coupling means for allowing the free end to be

 attached to and detached from a part of the resilient member

 while the piezoelectric sensor is held in the sensor holding

 portion.
- 20 12. The contact detecting device of claim 1 or 8, wherein the free end is a part of a mounting member that is fixed on a mounting base when mounting the resilient member thereon.
- 13. The contact detecting device of claim 10, wherein the resilient member is mounted on a mounting base by using an adhesive material.

14. The contact detecting device of claim 1 or 8, wherein the piezoelectric sensor is made of a composite piezoelectric substance obtained by mixing amorphous chlorinated polyethylene, crystalline chlorinated polyethylene and powder of piezoelectric ceramic.

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